

ABSTRACT OF THE DISCLOSURE

DEVICE FOR SPATIAL MODULATION OF A LIGHT BEAM AND
CORRESPONDING APPLICATIONS

This invention relates to a device for spatial modulation of a light beam, comprising a Polymer Dispersed Liquid Crystal (PDLC) element, the said element comprising at least two areas that can be addressed
5 independently of each other using a system with at least two electrodes.

According to the invention, the said electrodes have a predetermined non-linear pattern chosen so as to reduce the sensitivity of the said device to polarisation, due
10 to the appearance of at least one transverse electrical field between the said at least two electrodes, and the said device also comprises optical means of reducing the sensitivity to polarisation comprising at least one
anisotropic phase delay plate.

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Figure 3.